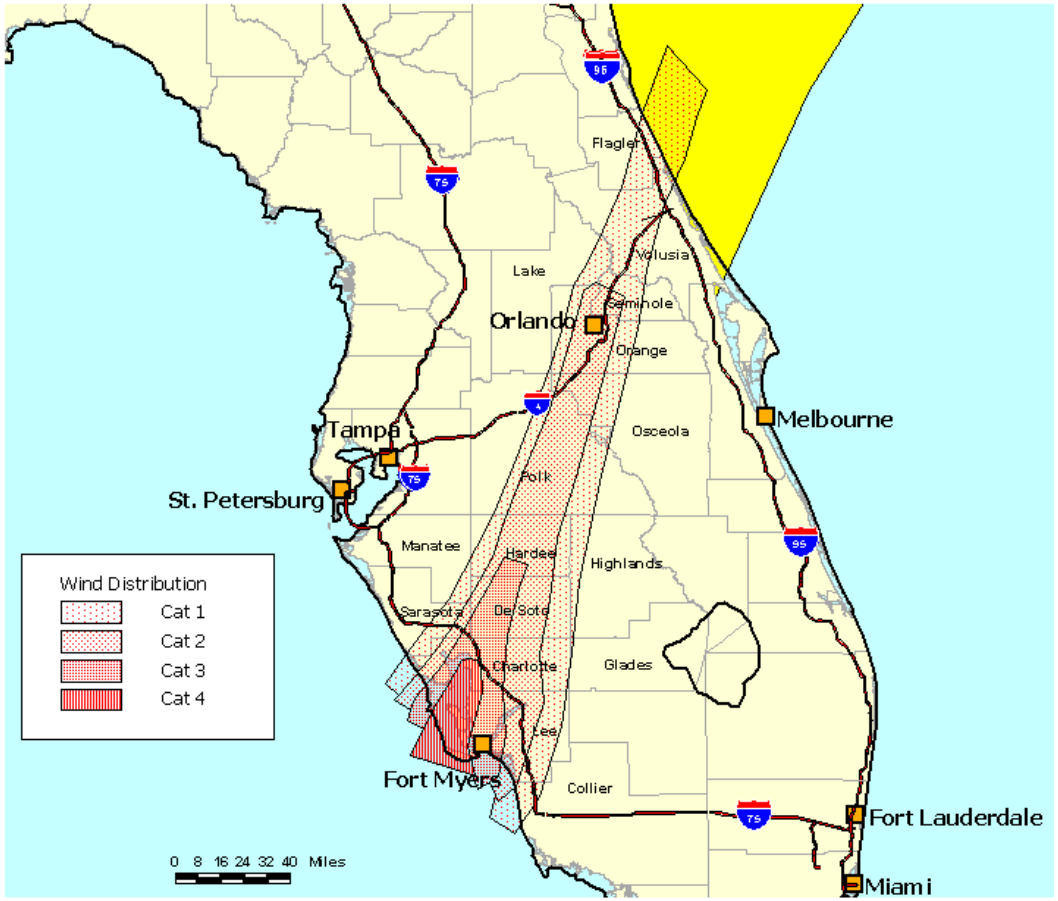
Hurricane Charley Wind Distribution

Landfall Has Occurred

For Official Use Only!



Most Probable Landfall Wind Distribution

This hurricane scenario is based on a Category 4 storm making landfall in near proximity to Port Charlotte and Fort Myers, FL

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(1700 EDT 08/13/2004)*** forecast.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Wind Distribution

Sources:
HURREVAC
LRL-DEBRIS

CELRL-OP GIS Group

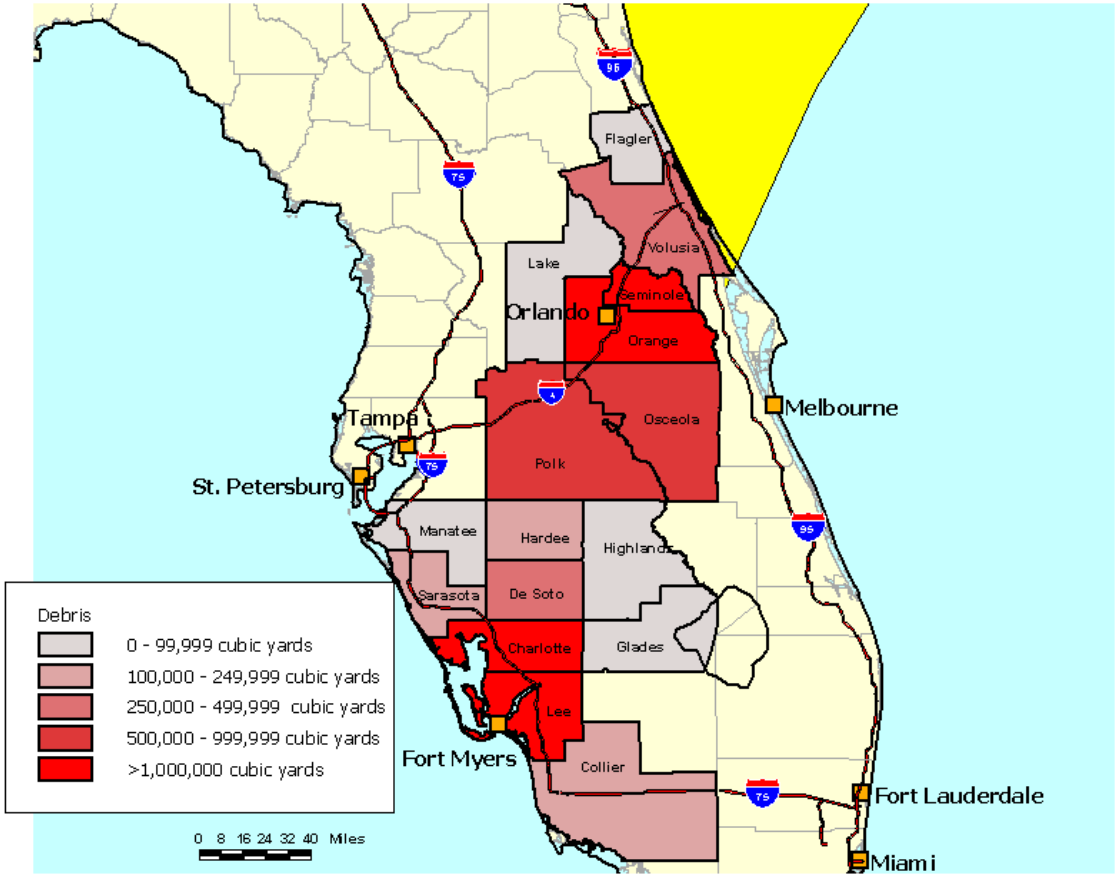
Generated By:
Terry Siemsen

Generated Date:
1700 EDT
08/13/2004

Hurricane Charley Debris Model

Landfall Has Occurred

For Official Use Only!



Most Probable Landfall Debris Model Results

Florida – 19,860,000 yd^3

Model results per county on following page

This hurricane scenario is based on a Category 4 storm making landfall in near proximity to Port Charlotte and Fort Myers, FL

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(1700 EDT 08/13/2004)*** forecast.

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Debris Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date:
1700 EDT
08/13/2004

CELRL-OP GIS Group

Louisville Operations Division GIS

Hurricane Charley Debris Model

Landfall Has Occurred

For Official Use Only!

State	County	Yards per County
Florida		
	Charlotte	3,406,000
	Collier	175,000
	De Soto	445,000
	Flagler	42,000
	Glades	1,000
	Hardee	105,000
	Highlands	61,000
	Lake	13,000
	Lee	7,788,000
	Manatee	1,000
	Orange	4,346,000
	Osceola	518,000
	Polk	973,000
	Sarasota	113,000
	Seminole	1,548,000
	Volusia	327,000
Total		19,860,000

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Debris Model

Sources:
HURREVAC
LRL-DEBRIS

CELRL-OP GIS Group

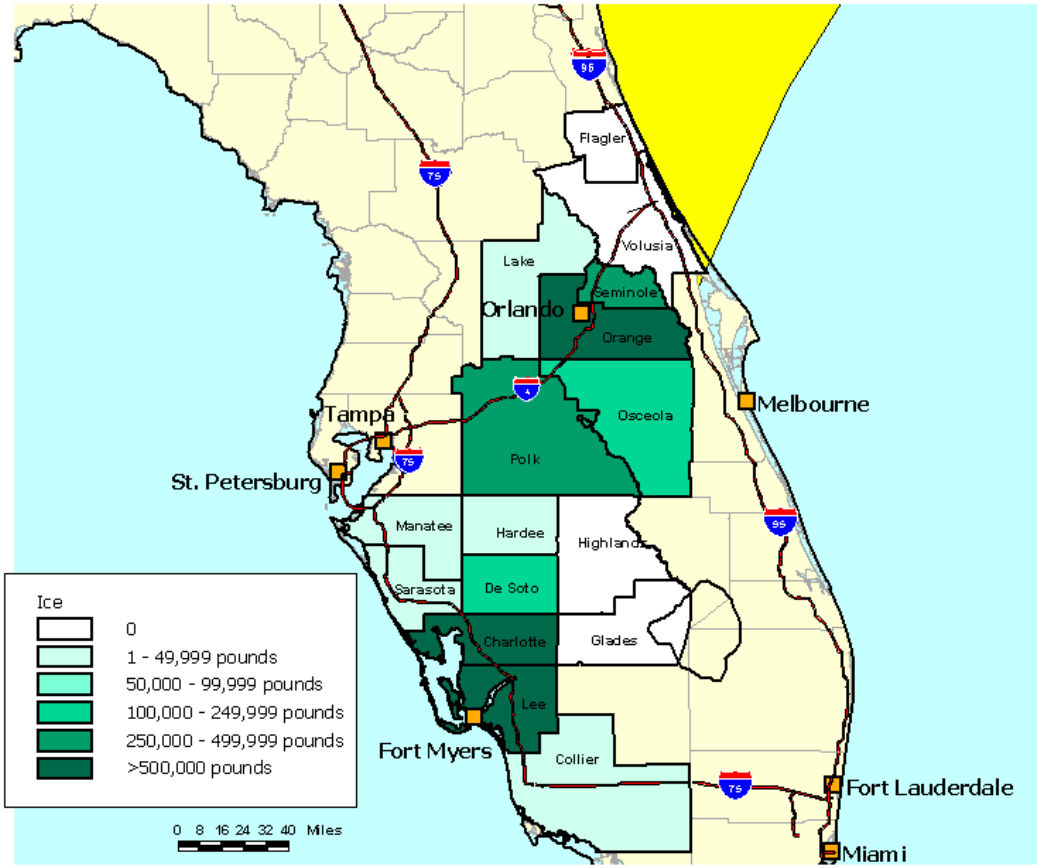
Generated By:
Terry Siemsen

Generated Date:
1700 EDT
08/13/2004

Hurricane Charley Ice Model

Landfall Has Occurred

For Official Use Only!



Most Probable Landfall Ice Model Results

Florida – 4,285,000 pounds

Model results per county on following page

This hurricane scenario is based on a Category 4 storm making landfall in near proximity to Port Charlotte and Fort Myers, FL

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(1700 EDT 08/13/2004)*** forecast. The intensity of this hurricane has been altered to complete model runs.

The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per day per person) and Ice SME input and represents a first day daily need.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Ice Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date
1700 EDT
08/13/2004

CELRL-OP GIS Group

Louisville Operations Division GIS

Hurricane Charley Ice Model

Landfall Has Occurred

For Official Use Only!

State	County	Pounds per County
Florida		
	Charlotte	525,000
	Collier	4,000
	De Soto	118,000
	Hardee	38,000
	Lake	1,000
	Lee	1,391,000
	Manatee	> 1,000
	Orange	1,284,000
	Osceola	157,000
	Polk	317,000
	Sarasota	14,000
	Seminole	435,000
Total		4,285,000

The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per person) and Ice SME input and represents a first day daily need. The assumption in this scenario is that 60% of the resident population affected by Charley will have power outage in this area will cause a need for ice.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Ice Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date
1700 EDT
08/13/2004

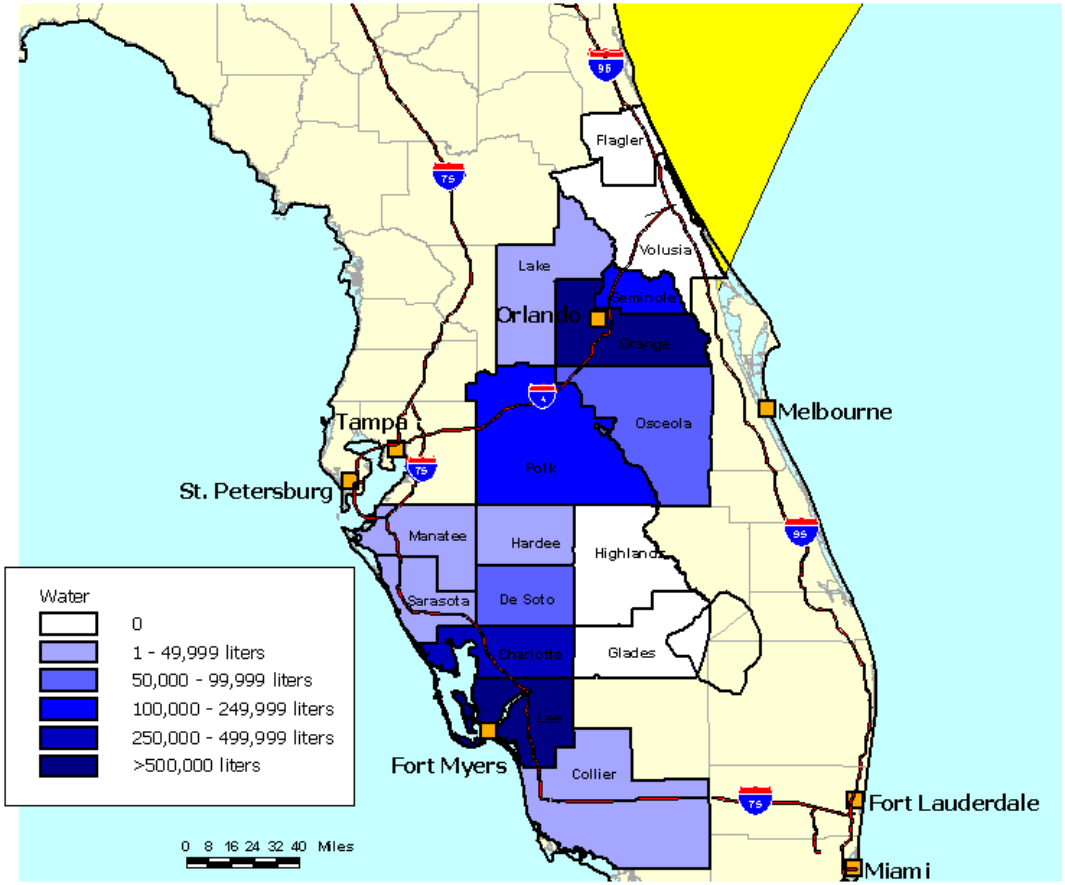
CELRL-OP GIS Group

Louisville Operations Division GIS

Hurricane Charley Water Model

Landfall Has Occurred

For Official Use Only!



Most Probable Landfall Water Model Results

Florida – 2,143,000 liters

Model results per county on following page

This hurricane scenario is based on a Category 4 storm making landfall in near proximity to Port Charlotte and Fort Myers, FL

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(1700 EDT 08/13/2004)*** forecast.

The amount of water forecasted is based on Mission Guide Book requirements (4 liters per person per day) and Water SME input and represents a first day daily need.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Water Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date
1700 EDT
08/13/2004

CELRL-OP GIS Group

Louisville Operations Division GIS

Hurricane Charley Water Model

Landfall Has Occurred

For Official Use Only!

State	County	Liters per County
Florida		
	Charlotte	263,000
	Collier	2,000
	De Soto	59,000
	Hardee	19,000
	Lake	> 1,000
	Lee	696,000
	Manatee	> 1,000
	Orange	642,000
	Osceola	79,000
	Polk	159,000
	Sarasota	7,000
	Seminole	218,000
TOTAL		2,143,000

The amount of water forecasted is based on Mission Guide Book requirements (4 liters per person) and Water SME input and represents a first day daily need. The assumption in this scenario is that 60% of the resident population affected by Charley will have power outage in this area will cause a need for water.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Water Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date
1700 EDT
08/13/2004

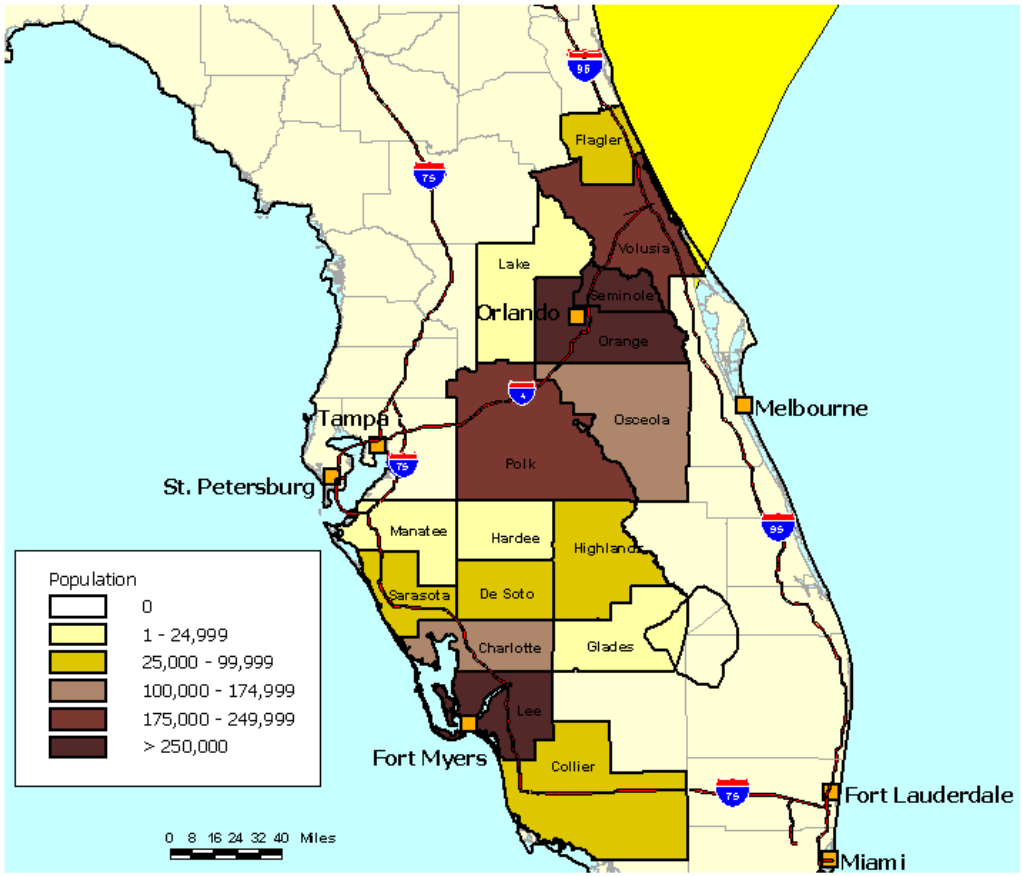
CELRL-OP GIS Group

Louisville Operations Division GIS

Hurricane Charley Population Model

Landfall Has Occurred

For Official Use Only!



Most Probable Landfall Population Model Results

Florida – 2,502,000 persons

Model results per county on following page

This hurricane scenario is based on a Category 4 storm making landfall in near proximity to Port Charlotte and Fort Myers, FL

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(1700 EDT 08/13/2004)*** forecast.

The number of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values).

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Population Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date
1700 EDT
08/13/2004

CELRL-OP GIS Group

Louisville Operations Division GIS

Hurricane Charley Population Model

Landfall Has Occurred

For Official Use Only!

State	County	Population
Florida		
	Charlotte	141,000
	Collier	89,000
	De Soto	32,000
	Flagler	26,000
	Glades	> 1,000
	Hardee	23,000
	Highlands	35,000
	Lake	9,000
	Lee	432,000
	Manatee	1,000
	Orange	805,000
	Osceola	134,000
	Polk	212,000
	Sarasota	38,000
	Seminole	320,000
	Volusia	207,000
Total		2,502,000

The number of persons estimated to be within hurricane force winds comes from Census 2000 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Population Model

Sources:
HURREVAC
LRL-DEBRIS

CELRL-OP GIS Group

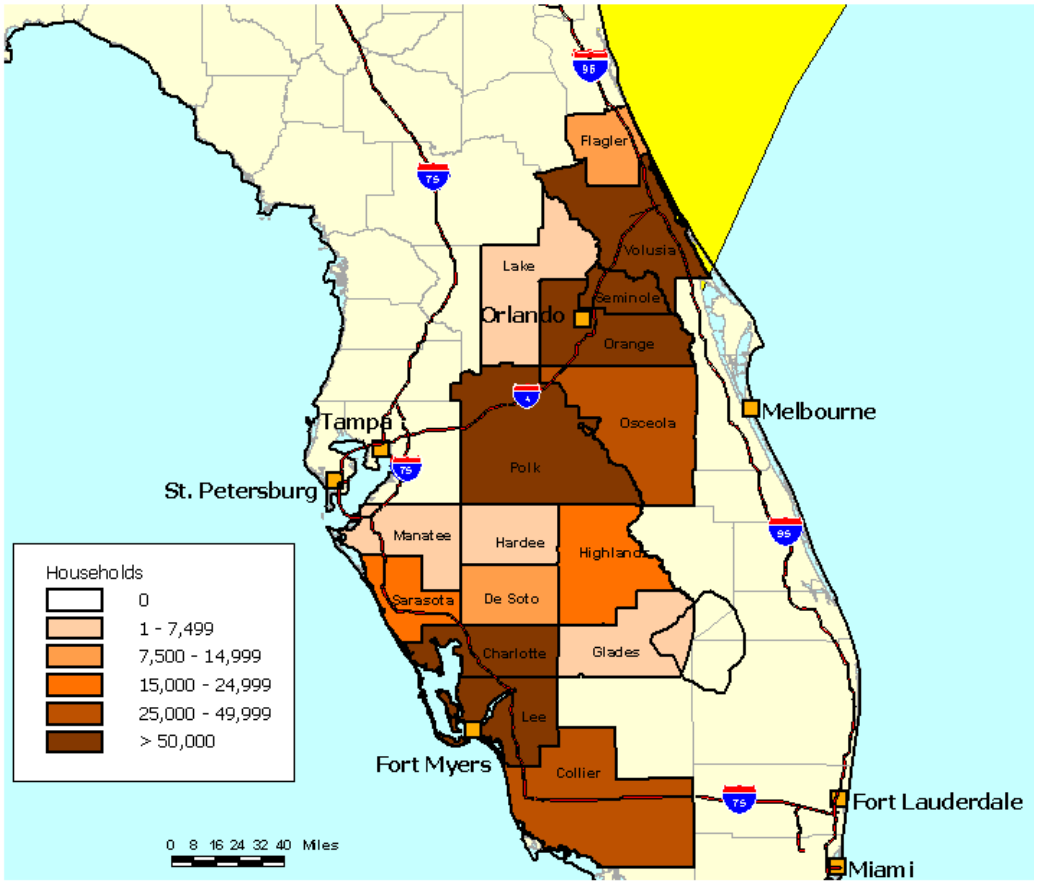
Generated By:
Terry Siemsen

Generated Date
1700 EDT
08/13/2004

Hurricane Charley Households Model

Landfall Has Occurred

For Official Use Only!



Most Probable Landfall Households Model Results

Florida – 995,000 households

Model results per county on following page

This hurricane scenario is based on a Category 4 storm making landfall in near proximity to Port Charlotte and Fort Myers, FL

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(1700 EDT 08/13/2004)*** forecast.

The number of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values).

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Households Model

Sources:
HURREVAC
LRL-DEBRIS

Generated By:
Terry Siemsen

Generated Date
1700 EDT
08/13/2004

CELRL-OP GIS Group

Louisville Operations Division GIS

Hurricane Charley Households Model

Landfall Has Occurred

For Official Use Only!

State	County	Households
Florida		
	Charlotte	64,000
	Collier	42,000
	De Soto	11,000
	Flagler	12,000
	Glades	> 1,000
	Hardee	7,000
	Highlands	15,000
	Lake	3,000
	Lee	185,000
	Manatee	> 1,000
	Orange	304,000
	Osceola	47,000
	Polk	82,000
	Sarasota	17,000
	Seminole	124,000
	Volusia	83,000
Total		995,000

The number of households estimated to be within hurricane force winds comes from Census 2000 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Charley Households Model

Sources:
HURREVAC
LRL-DEBRIS

CELRL-OP GIS Group

Generated By:
Terry Siemsen

Generated Date
1700 EDT
08/13/2004